

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| S1 | 16 | ("20020097000" "20020175632" "20030011553" "20030016198" "20030063462" "20030076056" "6359918" "6411046"). PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 11:31 |
| S3 | 4801 | nichia.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:32 |
| S5 | 315 | (shimizu-yoshinori\$ tsuji-ryuhei\$ nuzuka-tomoaki \$ taru-masayuki\$ mitani-katsunori\$ sakuragi-harumi\$ kunisayi-yasiro\$).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:33 |
| S6 | 123 | S3 and S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:33 |
| S7 | 25 | S6 and temperature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:35 |
| S8 | 2548 | 345/82-84.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:38 |
| S9 | 374 | 345/101.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:38 |
| S10 | 54 | 345/106.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:38 |
| S11 | 349 | 345/105.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:38 |
| S13 | 307 | 250/552.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:38 |

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| S16 | 10 | (jp-2000112429-a wo2000001046-a1 jp- 2002170999-a).did. ("20030011553" "20030016198" "20030063462").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:47 |
| S25 | 1 | wo-0001046-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:51 |
| S26 | 508 | naruse-\$.in. and matsushita.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:53 |
| S27 | 2 | S26 and chromaticity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 12:54 |
| S28 | 1104263 | chromaticity chroma chromatic saturation intensity hue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:06 |
| S29 | 5834468 | variation change alteration varied varying changing changed deviation deviating deviated divergence diverging diverged | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:07 |
| S30 | 27939 | S29 same S28 same temperature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:07 |
| S31 | 53 | S30 and S8 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:07 |
| S32 | 2 | 10/340615.app. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:08 |
| S33 | 1 | wo-0201921-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:17 |
| S34 | 5 | "2003010787".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:17 |
| S35 | 2 | "20030107887".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:18 |

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| S36 | 28 | (US-20030142061-\$ or US-20030076056-\$ or US-20030063462-\$ or US-20030016198-\$ or US-20030011553-\$ or US-20020175632-\$ or US-20020097000-\$ or US-20030197666-\$ or US-20050030267-\$ or US-20040135750-\$ or US-20030107887-\$).did. or (US-6278430-\$ or US-3725898-\$ or US-6359918-\$ or US-6888529-\$ or US-6747617-\$ or US-6628249-\$ or US-6608614-\$).did. or (JP-2002170999-\$).did. or (US-20020175632-\$ or WO-02052901-\$ or WO-0247438-\$ or WO-0157835-\$ or WO-0001046-\$ or JP-2003045206-\$ or WO-02052537-\$ or JP-2000112429-\$ or WO-0201921-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2008/10/23 13:21 |
| S37 | 16 | S36 and function | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 13:21 |
| S38 | 2 | "6411046".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/23 14:27 |
| S39 | 26 | (US-20030142061-\$ or US-20030076056-\$ or US-20030063462-\$ or US-20030016198-\$ or US-20030011553-\$ or US-20020175632-\$ or US-20020097000-\$ or US-20030197666-\$ or US-20030107887-\$).did. or (US-6278430-\$ or US-3725898-\$ or US-6359918-\$ or US-6888529-\$ or US-6747617-\$ or US-6628249-\$ or US-6608614-\$ or US-6411046-\$).did. or (JP-2002170999-\$).did. or (US-20020175632-\$ or WO-0247438-\$ or WO- | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2008/10/24 09:47 |

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| | | 0157835-\$ or WO-0001046-\$ or JP-2003045206-\$ or WO-02052537-\$ or JP-2000112429-\$ or WO-0201921-\$).did. | | | | |
| S40 | 15 | S39 and (time\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/24 09:47 |
| S41 | 4 | (ultra\$1violet UV) same phospor\$2 same (LED (light adj emitting adj diode) (light\$1emitting \$1diode)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2008/10/24 14:03 |
| S42 | 1 | 10/566216.app. | US-PGPUB; USPAT | OR | OFF | 2008/10/27 07:50 |
| S43 | 28 | ("5836676" "5851063" "5949346").PN. OR ("6411046").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/27 08:11 |
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| S45 | 7 | S44 and (constant with current with temperature) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/27 08:18 |
| S46 | 0 | S43 and (constant with current with temperature) | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/27 08:22 |
| S47 | 14 | ("4604753" "4710631" "4713819" "5392303" "5401099" "5414280" "6044095").PN. OR ("6807202").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/10/27 08:25 |
| S48 | 16 | ("20020097000" "20020175632" "20030011553" "20030016198" "20030063462" "20030076056" "6359918" "6411046"). PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S49 | 4999 | nichia.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |

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|-----|------|---|--|----|-----|---------------------|
| S50 | 324 | (shimizu-yoshinori\$ tsuji-ryuhei\$ nuzuka-tomoaki\$ taru-masayuki\$ mitani-katsunori\$ sakuragi-harumi\$ kunisayi-yasiihiro\$).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S51 | 128 | S49 and S50 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S52 | 25 | S51 and temperature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S53 | 2685 | 345/82-84.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S54 | 388 | 345/101.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S55 | 56 | 345/106.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S56 | 358 | 345/105.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S57 | 0 | 645/690.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S58 | 311 | 250/552.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S59 | 10 | (jp-2000112429-a wo2000001046-a1 jp- 2002170999-a).did. ("20030011553" "20030016198" "20030063462").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S60 | 1 | wo-0001046-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S61 | 511 | naruse-\$.in. and matsushita.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |

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| S62 | 2 | S61 and chromaticity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S63 | 1146189 | chromaticity chroma chromatic saturation intensity hue | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S64 | 6010981 | variation change alteration varied varying changing changed deviation deviating deviated divergence diverging diverged | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S65 | 29017 | S64 same S63 same temperature | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S66 | 54 | S65 and S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S67 | 2 | 10/340615.app. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S68 | 1 | wo-0201921-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S69 | 5 | "2003010787".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S70 | 2 | "20030107887".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S71 | 28 | (US-20030142061-\$ or US-20030076056-\$ or US-20030063462-\$ or US-20030016198-\$ or US-20030011553-\$ or US-20020175632-\$ or US-20020097000-\$ or US-20030197666-\$ or US-20050030267-\$ or US-20040135750-\$ or US-20030107887-\$).did. or (US-6278430-\$ or US- 3725898-\$ or US- 6359918-\$ or US- 6888529-\$ or US- 6747617-\$ or US- | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2009/03/11 13:59 |

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| | | 6628249-\$ or US-6608614-\$).did. or (JP-2002170999-\$).did. or (US-20020175632-\$ or WO-02052901-\$ or WO-0247438-\$ or WO-0157835-\$ or WO-0001046-\$ or JP-2003045206-\$ or WO-02052537-\$ or JP-2000112429-\$ or WO-0201921-\$).did. | | | | |
| S72 | 16 | S71 and function | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
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| S74 | 26 | (US-20030142061-\$ or US-20030076056-\$ or US-20030063462-\$ or US-20030016198-\$ or US-20030011553-\$ or US-20020175632-\$ or US-20020097000-\$ or US-20030197666-\$ or US-20030107887-\$).did. or (US-6278430-\$ or US-3725898-\$ or US-6359918-\$ or US-6888529-\$ or US-6747617-\$ or US-6628249-\$ or US-6608614-\$ or US-6411046-\$).did. or (JP-2002170999-\$).did. or (US-20020175632-\$ or WO-0247438-\$ or WO-0157835-\$ or WO-0001046-\$ or JP-2003045206-\$ or WO-02052537-\$ or JP-2000112429-\$ or WO-0201921-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2009/03/11 13:59 |
| S75 | 15 | S74 and (time\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 13:59 |
| S76 | 4 | (ultra\$1violet UV) same phosphor\$2 same (LED (light adj emitting adj diode) (light\$1emitting \$1diode)) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2009/03/11 13:59 |

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| S77 | 1 | 10/566216.app. | US-PGPUB; USPAT | OR | OFF | 2009/03/11 13:59 |
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| S81 | 0 | S78 and (constant with current with temperature) | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/03/11 13:59 |
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| | | (US-20020175632-\$ or WO-0247438-\$ or WO-0157835-\$ or WO-0001046-\$ or JP-2003045206-\$ or WO-02052537-\$ or JP-2000112429-\$ or WO-0201921-\$).did. | | | | |
| S86 | 1 | S83 and (current near4 lumen) | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2009/03/11 16:39 |
| S87 | 1686036 | (current near4 lumen nea4 linear) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:40 |
| S88 | 1845777 | (current near4 lumen nea4 linear\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:40 |
| S89 | 146152 | S88 and LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:41 |
| S90 | 71268 | (current near4 lumen nea4 linear\$2 near4 function) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:41 |
| S91 | 7299 | S90 and LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:41 |
| S92 | 739 | S91 and ("345"/\$.ccls. "250"/\$.ccls. "39"/\$. ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:41 |
| S93 | 444 | S92 and display | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:42 |
| S94 | 160 | S93 and temperature | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:42 |

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| S95 | 0 | (current near4 lumen near4 linear\$2 near4 function) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:43 |
| S96 | 0 | (current near4 lumen near4 linear\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:43 |
| S97 | 440 | (current near4 lumen) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:43 |
| S98 | 52 | S97 and LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:44 |
| S99 | 8 | (ampere near2 lumen) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 16:49 |
| S100 | 99 | (temperature near4 current near4 linear near4 function) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 17:00 |
| S101 | 1 | S100 same LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 17:00 |
| S102 | 12 | S100 and LED | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/11 17:00 |
| S103 | 314 | 315/32.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:00 |
| S104 | 224 | 345/39.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:01 |

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| S105 | 5880 | 345/76-84.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:02 |
| S106 | 1917 | 345/690.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:02 |
| S108 | 2015110 | linear proportional first \$1degree | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:07 |
| S109 | 58856 | S108 near2 (function formula) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:07 |
| S110 | 259 | S109 near4 (temperature) near4 (current voltage ampere) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:08 |
| S111 | 42 | S110 and (LED OLED (ligh adj emitting adj diode) ((light\$1emitting) adj diode)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:09 |
| S112 | 1 | S111 and RGB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:09 |
| S113 | 0 | (flux adj efficacy) near2 (current) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:33 |
| S114 | 822 | (efficacy) near2 (current) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:33 |
| S115 | 176 | S114 and LED | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:33 |
| S116 | 106 | S115 and display | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:33 |
| S117 | 0 | S116 and RGB | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 08:33 |
| S118 | 6 | (luminous near2 flux) near4 (current near2 forward) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/12 09:34 |

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